

What is claimed is:

1. A feedblock for making a multilayer optical film, comprising:

(a) a gradient plate comprising at least first and second flow channels,  
wherein at least one of said flow channel has a cross-sectional area that changes  
5 from a first position to a second position along said flow channel;

(b) a feeder tube plate having a first plurality of conduits in fluid  
communication with said first flow channel and a second plurality of conduits in  
fluid communication with said second flow channel, each conduit feeding its own  
respective slot die, each conduit having a first end and a second end and, said first  
10 end of said conduits being in fluid communication with said flow channels, and  
said second end of said conduits being in fluid communication with said slot die;  
and

(c) an axial rod heater located proximal to said conduits.

15 2. A method for making a multilayered optical film, said method comprising the  
steps of:

(a) providing at least a first and a second stream of resin;

(b) dividing said first and said second streams into a plurality of layers  
using the feedblock of claim 1 such that said layers of said first stream are  
20 interleaved with said layers of said second stream to yield a composite stream;

(c) passing said composite stream through an extrusion die to form a  
multilayer web in which each layer is generally parallel to the major surface of  
adjacent layers; and

(d) casting said multilayer web onto a casting roll to form a cast multilayer  
25 film.